25X1

[redacted]

620191DA

HILS

MLT-2023-P-6536
3 May 1972

Rec'd 4 May 1972

BBH

Officer-in-Charge
USA Communication Service Group
Post Office Box 72
NAS Moffett Field, California 94035

25X1 Subject: [redacted]

Gentlemen:

25X1 [redacted] is pleased to provide this proposal for the effort associated with additional tasks under the subject contract. These additional tasks are discussed in detail in Enclosure 1 and are based upon goals established at a final design review conference held 24 through 26 April 1972. The estimated costs for this work are set forth in Enclosure 2.

If questions arise or if further information is required, kindly
25X1 contact [redacted] or the undersigned.

Very truly yours,

[redacted]

25

Supervisor, Contract Administration

Enclosures: as stated

Copy furnished: Contracting Officer's Technical Representative

25X1 [redacted]

HIGH INTENSITY LIGHT SOURCE SYSTEM MODIFICATION EFFORT

STATEMENT OF WORK

Purpose

This modification is proposed by [redacted] to bring the performance of the HILS System into conformance with goals established by the customer at a final design review conference held April 24 through 26, 1972. While the HILS System generally meets the requirements of the Design Objectives, several aspects of its operation not previously specified are felt to need further refinement. 25X1

25X1 [redacted] will perform the following tasks:

1. Tracking Modification

Design, fabricate, assemble, and test modifications to the electronic drive amplifiers to provide more precise tracking of the HILS with the microscope bridge. The dynamic tracking lag experienced during high speed manual bridge operation will be reduced, the goal for this effort will be to maintain the HILS positioned within ± 3/8 inch of the nominal rhomboid position during all normal bridge operations.

Analysis, testing, and subsystem operation will be performed to assure that the present low speed tracking accuracy of ± 1/8 inch will be preserved, and that the existing features of smooth acceleration and controlled response of the HILS assemblies will be maintained.

2. Cooling System

Design, fabricate, assemble and test a modified HILS cooling system. The goal of this effort will be to further reduce the exhaust air sound level and temperature while maintaining the present level of cooling of the HILS and light trays.

25X1 [redacted]

3. System Testing

Run the system for a period of three weeks in an operational mode to establish reliability of the electronic and mechanical elements prior to delivery. Present to the customer a detailed list of failures and corrective action taken.

4. Delivery and ATP

Provide installation and checkout at the customer's facility, and assist in performance of the final ATP. Services to be provided by [redacted] Project Engineer. 25X1

5. Schedule

The schedule for the completion of above tasks is six (6) weeks from receipt of approval.